

ABSTRACT OF THE DISCLOSURE

A mixture of indium metal and titanium metal is fused to the inner surface of a quartz envelope of a mercury vapor discharge lamp.

Drawing designators (informal list)

Hg mercury

Ne neon gas

Ar argon gas

N nitrogen gas

20 quartz tube

24 nitrogen gas source

28 delivery tube

32 pipe

36 stopper, rubber

38 flows, arrow

42 indium wire

48 inner surface

50 quartz wall

52 clean area

54 flame

56 gas burner

60 outside surface

64 end of titanium wire

66 titanium wire

70 insulated sleeve

74 operator's fingers

80 wire lead

82 wire lead

84 wire lead

86 wire lead

90 element, sintered mixture

92 element, ribbon

106 target

- 108 envelope, elongated
110 lamp, germicidal
112 sealed
114 electrode
115 stem
116 electrode
117 stem
118 quartz tube
119 press seal
120 inside surface of tube 118
122 wall of tube 118
124 annular base of stem
126 annular base of stem
128 small area
130 end of tube 118
132 end of tube 118
140 opening in stem
142 exhaust tube
148 quartz tube
156 envelope
160 press seal
162 wire leads
166 electrode
168 exhaust tube
172 hole